

# WEST Search History for Application 10550252

Creation Date: 2009121412:10

## Prior Art Searches

| Query  | DB   | Op. | Plur. | Thes. | Date       |
|--|--|-----|-------|-------|------------|
| ferrit\$2 same steel same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium)   | EPAB,<br>JPAB, DWPI                            | OR  | YES   |       | 12-14-2009 |
| (ferrit\$2 same steel same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) ) same ferrit\$2                                     | EPAB,<br>JPAB, DWPI                            | OR  | YES   |       | 12-14-2009 |
| (ferrit\$2 same steel same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) same ferrit\$2 ) same (carbide or tic or nbc or cbc) | EPAB,<br>JPAB, DWPI                            | OR  | YES   |       | 12-14-2009 |
| (ferrit\$2 same steel same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) ) same tensile same strength                         | USPT   | OR  | YES   |       | 12-14-2009 |
| (ferrit\$2 same steel same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) ) same (tensile near strength)                       | EPAB,<br>JPAB, DWPI                            | OR  | YES   |       | 12-14-2009 |
| (ferrit\$2 same steel same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) ) same (hole near expand\$7)                         | EPAB,<br>JPAB, DWPI                            | OR  | YES   |       | 12-14-2009 |
| steel same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) same (hole near expand\$8)   | EPAB,<br>JPAB, DWPI                            | OR  | YES   |       | 12-14-2009 |
| steel same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) same flang\$7  | EPAB,<br>JPAB, DWPI                            | OR  | YES   |       | 12-14-2009 |
| 148/328.ccls.  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR  | YES   |       | 12-14-2009 |

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|---|--|----|-----|--|------------|
| (148/328.ccls. ) and (c or carbon) and (si or silicon) and (mn or manganese) and (al or aluminum) and (ti or titanium) or (cb or columbium or nb or niobium)  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR | YES |  | 12-14-2009 |
| (148/328.ccls. and (c or carbon) and (si or silicon) and (mn or manganese) and (al or aluminum) and (ti or titanium) or (cb or columbium or nb or niobium) )<br>148/328.ccls.                               | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR | YES |  | 12-14-2009 |
| (148/328.ccls. and (c or carbon) and (si or silicon) and (mn or manganese) and (al or aluminum) and (ti or titanium) or (cb or columbium or nb or niobium) )<br>and 148/328.ccls.                           | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR | YES |  | 12-14-2009 |
| (148/328.ccls. and (c or carbon) and (si or silicon) and (mn or manganese) and (al or aluminum) and (ti or titanium) or (cb or columbium or nb or niobium)<br>and 148/328.ccls. ) and carbide               | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR | YES |  | 12-14-2009 |
| (148/328.ccls. and (c or carbon) and (si or silicon) and (mn or manganese) and (al or aluminum) and (ti or titanium) or (cb or columbium or nb or niobium)<br>and 148/328.ccls. and carbide ) and ferrit\$2 | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR | YES |  | 12-14-2009 |
| steel and (si or silicon) same (mn or manganese) and (al or aluminum) and (ti or titanium) and (nb or niobium or cb or columbium)   | PGPB,<br>USPT,<br>USOC                         | OR | YES |  | 12-14-2009 |
| (steel and (si or silicon) same (mn or manganese) and (al or aluminum) and (ti or titanium) and (nb or niobium or cb or columbium) ) and ferrit\$2  | PGPB,<br>USPT,<br>USOC                         | OR | YES |  | 12-14-2009 |
| (steel and (si or silicon) same (mn or manganese) and (al or aluminum) and (ti or titanium) and (nb or niobium or cb or columbium) and ferrit\$2 ) and carbide  | PGPB,<br>USPT,<br>USOC                         | OR | YES |  | 12-14-2009 |
| (steel and (si or silicon) same (mn or manganese) and (al or aluminum) and (ti or titanium) and (nb or niobium or cb or columbium) and ferrit\$2 and carbide ) and (tic or nbc or cbc )                     | PGPB,<br>USPT,<br>USOC                         | OR | YES |  | 12-14-2009 |
| (steel and (si or silicon) same (mn or manganese) and (al or aluminum) and (ti or titanium) and (nb or niobium or cb or columbium) and ferrit\$2 and carbide and (tic or nbc or cbc ) ) and 148/320.ccls.   | PGPB,<br>USPT,<br>USOC                         | OR | YES |  | 12-14-2009 |
|   |  | OR | YES |  | 12-14-2009 |

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| steel same (ti or titanium) same (nb or niobium or cb or columbium)  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI |    |     |  |            |
| ( (steel same (ti or titanium) same (nb or niobium or cb or columbium) ) ) and masui   | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR | YES |  | 12-14-2009 |
| steel same ferrit\$2 same (c or carbon) same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) same (cu or copper) same (ni or nickel)  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR | YES |  | 12-14-2009 |
| (steel same ferrit\$2 same (c or carbon) same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) same (cu or copper) same (ni or nickel) )   | EPAB,<br>JPAB, DWPI                            | OR | YES |  | 12-14-2009 |
| (steel same ferrit\$2 same (c or carbon) same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) same (cu or copper) same (ni or nickel) ) same ferrit\$2                              | EPAB,<br>JPAB, DWPI                            | OR | YES |  | 12-14-2009 |
| (steel same ferrit\$2 same (c or carbon) same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) same (cu or copper) same (ni or nickel) same ferrit\$2 ) same (carbide or tic or nbc) | EPAB,<br>JPAB, DWPI                            | OR | YES |  | 12-14-2009 |
| (steel same ferrit\$2 same (c or carbon) same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) same (cu or copper) same (ni or nickel) same ferrit\$2 )                              | EPAB,<br>JPAB, DWPI                            | OR | YES |  | 12-14-2009 |
| (steel same ferrit\$2 same (c or carbon) same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or niobium or cb or columbium) same (cu or copper) same (ni or nickel) same ferrit\$2 ) same sheet same automotive   | EPAB,<br>JPAB, DWPI                            | OR | YES |  | 12-14-2009 |
| (steel same ferrit\$2 same (c or carbon) same (si or silicon) same (mn or manganese) same (al or aluminum) same (ti or titanium) same (nb or   | EPAB,<br>JPAB, DWPI                            | OR | YES |  | 12-14-2009 |

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| <b>niobium or cb or columbium) same (cu or copper)<br/>same (ni or nickel) ) same carbide</b>  |  |    |     |  |            |
| <b>steel and (c or carbon) and (si or silicon) and (mn or manganese) and (ti or titanium) and (nb or niobium or cb or columbium) and (ni or nickel or cu or copper)</b>                          | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR | YES |  | 12-14-2009 |
| <b>(steel and (c or carbon) and (si or silicon) and (mn or manganese) and (ti or titanium) and (nb or niobium or cb or columbium) and (ni or nickel or cu or copper) ) and 148/320.ccls.</b>     | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR | YES |  | 12-14-2009 |
| <b>(steel and (c or carbon) and (si or silicon) and (mn or manganese) and (ti or titanium) and (nb or niobium or cb or columbium) and (ni or nickel or cu or copper) ) and 148/328.ccls.</b>     | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR | YES |  | 12-14-2009 |
| <b>(steel and (c or carbon) and (si or silicon) and (mn or manganese) and (ti or titanium) and (nb or niobium or cb or columbium) and (ni or nickel or cu or copper) ) and 420126-127.ccls.</b>  | PGPB,<br>USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI | OR | YES |  | 12-14-2009 |
| <b>(steel and (c or carbon) and (si or silicon) and (mn or manganese) and (ti or titanium) and (nb or niobium or cb or columbium) and (ni or nickel or cu or copper) ) and 148/320.ccls.</b>     | USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI          | OR | YES |  | 12-14-2009 |
| <b>(steel and (c or carbon) and (si or silicon) and (mn or manganese) and (ti or titanium) and (nb or niobium or cb or columbium) and (ni or nickel or cu or copper) ) and 420/126-127.ccls.</b> | USPT,<br>USOC,<br>EPAB,<br>JPAB, DWPI          | OR | YES |  | 12-14-2009 |